









## Method and apparatus for making a heat exchanger unit

**Patent number:** EP0331026  
**Publication date:** 1989-09-06  
**Inventor:** MAIER KARL; STIRNWEIS HORST  
**Applicant:** MOTOREN TURBINEN UNION (DE)  
**Classification:**  
- international: B22D19/00; B22D19/04; F28F9/16  
- european: B22D19/00E; B22D19/04; F28F9/16B  
**Application number:** EP19890103242 19890224  
**Priority number(s):** DE19883807055 19880304

**Also published as:**

 JP1317676 (A)  
 EP0331026 (A3)  
 DE3807055 (A1)  
 EP0331026 (B1)

**Cited documents:**

 GB2014069  
 DE2343310  
 DE521654  
 DE157134  
 DE3146090

**Report a data error here**

**Abstract of EP0331026**

The invention discloses a method for making a heat exchanger unit, in which at least one portion of a collecting pipe (1) is produced and simultaneously firmly and fluid-tightly connected to ends of pre-positioned profile tubes (4) of a heat exchanger matrix (3) by pouring a molten metallic material into a cavity (9) formed between a central mould core (7') and an outer shell; the outer shell to be used here is a perforated sheet (15), by means of which the profile tubes (4) are pre-positioned and centred at the ends projecting into the cavity (9) and the surface of which is melted into the material of the collecting pipe during the casting operation.

---

Data supplied from the **esp@cenet** database - Worldwide